Xavier Dupuis

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Summary

Experienced software developer with expertise in building scalable web applications, project ownership, process optimization, and client issue resolution. Proven ability to lead teams, enhance workflows, and deliver high-quality solutions on time.

Education

Software Engineer Bachelor's Degree
@ Polytechnique Montréal

Academic Excellence Mention
Security and Mobility Orientation
Graduated December 2023

Natural Science College Diploma
@ Cégep régional de Lanaudière Terrebonne

Languages

English: Fluent
French: Native

Technical Skills

Languages
Typescript / Javascript, C#, SQL, React, Kotlin, C/C++, Python, Java

Frameworks
Angular (& RxJS), React, Jetpack Compose, Electron

Tools
Git, Docker, CI/CD & Pipelines, Bash & Powershell scripting

Interests
Virtualization, Automation, Networks, APIs

Work Experience

Software Developer I @ Genetec Inc.   *2024 - Present*

- Assisted and subsituted team leader position for process activities, including coordinating tasks, resolving conflicts, respecting deadlines, and ensuring project continuity.
- Resolved complex technical issues, while deepening technical knowledge about backward compatibility, processes bottlenecks, memory leaks. Coordinated with engineering, support, design, management, and QA teams to diagnose and address problems, ensuring prompt and effective solutions in delivering value while maintaining strong client relationships.
- Initiated and implemented improvements within the development workflow, such as our streamlining the release process and stabilizing the E2E testing environment, which enhanced team productivity and product stability.
- Collaborated with team members and mentored interns, providing guidance on best practices and assisting with onboarding processes, contributing to a collaborative and efficient environment.

ExpirLot (Undergraduate Project) @ Polytechnique & Sononurse   *2023*

- Develop an innovative learning platform for medical training, incorporating the purchase of equipment unusable in a medical context.
- Implement a high-performance architecture to develop a serverless environment, ensuring a reliable and efficient product.
- Integrate Shopify for the purchase of products/training and Stripe for subscription management.
- Lead software process activities, project management, continuous deployment, pull requests, and versioning, etc.
- Integrate email delivery, interactive interface editing, and SQL data storage.

Software Engineer Intern @ Genetec Inc.   *2023*

- Deepen technical knowledge (C# reflection, RESTful API, generic types, E2E testing, injection) and software process activities (code reviews, PRs, etc.)
- Conceptualize, analyze and implement medium to large scale functionalities in the ecosystem of a product in production.

Software Engineer Intern @ Genetec Inc.   *2022*

- Analyze, segment and develop a feature of the software product.
- Synthesize and document the result of their process / work.
- Investigate, troubleshoot, and repair known (and unknown) software problems.
- Understand and appropriate business software development processes.

Instructor & Executive assistant @ Formation SAMO   *2018 - 2023*

- Provide a learning experience to students on many topics (Windows, Word, Excel, Mathematics, etc.)
- Suggest and implement improvements to the administrative daily workflow.
- Ease exchanges and communications on the course on-site and online platform.

Relevant projects

PolyScrabble LOG3900 @ Polytechnique Montréal   *2022*

Hackatown (Part-Winner) @ Polytechnique Montréal   *2022*

Web Application project development @ Polytechnique Montréal   *2021*

Hackatown @ Polytechnique Montréal   *2021*